INDEX TO VOLUME 42—1961

Index of Names

*Indicates obituary

Abelson, Philip H., 78
Ackermann, W. C., 5
Adams, Leason H., 43, 44, 149
Aitken, M. J., 302
Al'tovskii, M. E., 306

Baker*, Donald McCord, 60
Baker*, Walter Ransom Gail, 212
Basu, S., 191
Bates, Charles C., 153
Belknap*, Ralph Leroy, 459
Beloussov, V. V., 426
Berg*, Hellmut, 61
Berkner, L. V., 303
Boyd, F. R., 436
Brace, W. F., 39
Bressler*, Calder Tupper, 61
Bridgman*, Percy Williams, 459
Bruins, G. J., 40
Buerger, Martin J., 42
Bullen, Keith E., 150
Bundy, F. P., 436
Burgers, J. M., 304
Byerly, Perry, 79

Chrzanowski*, Peter, 61
Clapp, Philip F., 438
Colwell*, Robert Cameron, 326
Coulson, Kinsell L., 40
Cox, Allan, 302
Currier, L. W., 193

Dave, Jitendra V., 40
Davidson*, Ward Follett, 61
Deirmendjian, Diran, 40
Disney*, Lindsay P., 326
Doland*, James J., 212
Dorsey*, Herbert Grove, 327
Droessler, Earl G., 349, 352

Eardley, A. J., 439
Eckart, Carl, 304
Ewing, C. E., 42
Ewing, Maurice, 150

Farnham*, Frank Cecil, 459
Farquhar, R. M., 41
Faust, George T., 192
Finnell*, Henry Howard, 213
Foster*, Edgar E., 213
Fritsch, V., 302

Garrells, Robert M., 192
Gault*, Hugh Richard, 327
Geraci*, Thomas, 213
Glazov, A. L., 45
Glazov, N. V., 45
Goldich, Samuel S., 193

Hardy*, Erle Leroy, 61
Hibbard, W. R., 436
Hicks*, William Irl, 213
Hodgson, J. H. 39
Hoeflich, O., 437
Howell, Benjamin F., Jr., 43
Hubbard*, Bela, 61
Huberty*, Martin R., 62
Hutchinson, R. O., 300

Ireland*, Robert Parker, 459

Jacobs, Woodrow C., 96
Jahns, Richard H., 307
Jones*, Benjamin Earl, 327
Jones*, Harold Spencer, 62
Jordan, James N., 76, 356

Kaplan, Joseph, 92
Klopsteg, Paul E., 3
Kuznetsova, Z. L., 306

Landsberg, H. E., 44, 191
Langbein, W. B., 93
Larsen*, Esper Signius, Jr., 213
Laurila, Simo, 42
Leipper, Dale F., 429
Lodge, James P., 295
Loehnberg*, Alfred, 327
Lonsdale*, John T., 62
Lucey*, Patrick Joseph, 459
Lyman, John, 353
Lyshede*, Jens M., 214

MacCready, Paul B., Jr., 305
MacDonald, Gordon J. F., 307
Malone, Thomas F., 76, 287, 425
McNish, A. G., 86, 337
Merriell*, Frank C., 214
Molard*, Pierre, 327
Munk, Walter H., 307
Murphy, Leonard M., 158, 184, 187

Nesbitt, Robert H., 45
Newell, Homer E., 303, 350

Odishaw, Hugh, 303
Oleson*, Marvin Harold, 214
Ordway, Frederick I., 190

Pabst, A., 42
Paulsen*, Carl Gustave, 214
Peoples, James A., Jr., 78
Pichler*, Ernesto, 459
Pomeroy, J., 300
Pratt, J. G. D., 189

Quam, Louis O., 344

Raethjen, P., 437
Reed, John C., 81
Riehl, H., 437
Robertson*, Howard Percy, 459
Rodier, J., 432
Romney, Carl F., 153
Russell, R. D., 41

Sayre, A. Nelson, 63, 215, 328
Scheidegger, Adrian E., 439
Sekera, Zdenek, 40
Shcherbakov, D., 297
Shvets, V. M., 306
Singer, S. F., 190
Smith, W. O., 439
Smith, Waldo E., 63, 215, 328
Snider, Robert G., 289
Strong, H. M., 436

Thompson, Philip D., 438
Thompson*, Thomas Gordon, 459
Trewartha, Glenn T., 191

van Hylckama, T. E. A., 440
van Meighem, J., 44
van Veen*, Johan, 62

Wait, James R., 302
Wallington, C. E., 305
Weaver, Paul, 306
Wetherill, G. W., 41
Wilson, J. Tuzo, 160
Winchester*, George, 62
Woolard, Edgar W., 307
Woollard, George P., 40, 93, 189

Zimmerman*, Charles Collingwood, 214

Index of Subjects

AAAS, New York meeting, 97
  symposia at Denver, 358
Accountant, recommendations, 92
Advances in geophysics, vol. 5, 44
  in space science, vol. 2, 190
Affiliated organizations, 75
Africa, some hydrologic investigations in, 432
Antarctic discoveries, 297
Asian geophysicists, grants, 359
Atmosphere, research planning in physics, 1
Audit committee report, 86, 337

Banquet, AGU 42nd annual meeting, 216
Books of interest and importance to geophysicists, 45, 194, 308, 441
Bowie Medal, 33rd award, 97, 149
Budget, report of committee, 81, 344

Committees, reports, 69, 215, 216, 334
Committee members, Union and section, 461
Conference on Planetary Atmospheres held by Space Science Board, report, 9
Continental haze, round table discussion, 295
Crystal-structure analysis, 42

Directory of members, following page 424
Dues for 1962, 357
  and subscription rates, report of special committee, 85

Earth sciences in South America, 160
Earth's deep interior, study of, 426
  problem climates, 191
Education and manpower in geophysics, 287
Electronic surveying and mapping, 42
Elektrische Messungen an Raumlich Ausgedehnten Leitern, 302

Federal Council on Science and Technology, progress report of the panel on hydrology, 93
Fellow, rank established, 359
Forty-third annual meeting, AGU, 238, 465
Frontiers in geophysics, papers, 215

General Assembly, AGU 42nd annual meeting, 215
General Secretary, report, 63, 215, 328
Geodesy and Cartography, USSR, contents March–August, 1959, 49
  contents September–December 1959, 199
  contents January–September, 1960, 312
  contents October 1960–February 1961, 445
Geological Survey Research 1960, 307
Geophysical data, recommendation for a committee, 96
Geophysical and geological study of continents, report of committee, 93
Geophysical Society of Hawaii, 97, 232
Geophysics, manpower and education, 287
Glaciers, Symposium on variations at Obergürgl, 466
Gravity expeditions 1948–1958, 40

Haze, continental, round table discussion, 295
Hydrodynamics of Oceans and Atmospheres, 304
Hydrologic, some investigations in Africa, 432

IAH, symposium on land erosion, 358
IGY Bulletins, 99, 115, 131, 239, 255, 271, 361, 381, 401, 467, 487, 507
Indian Ocean Expedition, 289
Interior, Study of the Earth's deep, 426
Introduction to geophysics, 43
IUGG 13th General Assembly, 76, 238, 359, 466
IUGG symposia during 1961, 98, 238
Izvestiya, contents April–July, 1960, 47
  contents August–December, 1960, 196
  contents January–April, 1961, 310
  contents May–August, 1961, 443

Journal of Geophysical Research, report of the editors, 78
  report of special committee on the problems and the future, 78

Land erosion, IAH symposium, 358
Lead isotopes in geology, 41

Macelwane Award, report of chairman of special committee, 352
Manpower and education in geophysics, 287
Mechanics of faulting (a symposium), 39
Meeting, AAAS in New York, 97
  AGU, 42nd annual, 97, 215
  AGU 43rd annual, 238, 358, 465
  business, AGU 42nd annual meeting, 215
  1st Western National, 98, 238, 337
  Pacific Northwest Region, 238, 357
  Pacific Southwest Region, 238, 358, 465
  Western, 1st annual, 98, 238, 357
Membership, report of committee, 349
Meteorology for Glider Pilots, 305
Meteorology on the move, 3
Mineral equilibria at low temperatures and pressures, 192
Minutes, Council meeting, 328
  Executive Committee meeting, 63
  Geodesy, 219
  Geomagnetism and Aeronomy, 223
  Hydrology, 226
  Meteorology, 221
  Oceanography, 224
  Planetary sciences, 217
  Seismology, 220
  Tectonophysics, 229
  Volcanology, Geochemistry, and Petrology, 225
Monsoons of the world (a symposium), 191

National Research Council, 75
Needed—Three wise men, 5
New instruments and methods of engineering geology, 45
Notes, 55, 206, 320, 453
Obergürgl, Symposium on glaciers at, 466
Oceanography, definition for academic use, 429
Oceanography section, report of the AGU publication committee, 353
Officers, elected to AGU, 98
Origin of Oil and Oil Deposits, 306

Pacific Northwest Regional Committee, 232
Pacific Northwest regional meeting, 238, 357
Pacific Southwest regional meeting, 238, 358, 465
Pan American Institute of Geography and History, General Assembly, 464
Panel on hydrology, progress report to the Federal Council on Science and Technology, 93
Personalia, 59, 211, 324, 457
Physics and archaeology, 302

Physics of the atmosphere, research planning, 1
Planetary Atmospheres, report of conference held by Space Science Board, 9
Planetary sciences, report of planning committee, 230, 350
Precambrian geology and geochronology of Minnesota, 193
President, report, 68, 215
President's page, 1, 147, 287, 425
Publications of interest to geophysicists, 45, 194, 308, 441

Research planning in physics of the atmosphere, 1
Rotation of the Earth: A Geophysical Discussion, 307
Russian Translation Board, report, 79

Satellites, symposium on use of artificial, 466
Science education program, meeting to support, 232
Science in Space, 303
Sections, reports, 75, 356
Seismic research program recommended by the panel on seismic improvement, status, 153
Seismographs, standardized, world-wide network, 184
Seismological program of the US Coast and Geodetic Survey, 158
Smoker, AGU 42nd annual meeting, 215
South America, state of Earth sciences, 160
Space Science Board, report of conference on Planetary Atmospheres, 9
Special committees, reports, 216
Standing committees, reports, 215
Statutes and by laws, 233
Statutes, change, 359
Symposium on artificial satellites, 466
Symposium on variations of glaciers at Obergürgl, 466
Symposium on volcanology in Japan, 466

Tables related to radiation emerging from a planetary atmosphere with Rayleigh scattering, 40
Tellers' report, 76
Tellers, report of committee, 356
Trans-Antarctic expedition 1955–1958, reports 2, 3, and 4, 189
Translations of Russian and other scientific journals and papers, 52, 201, 316, 447
Translations of Soviet abstracts, 452

United States Geological Survey, 307
Upper Mantle and Crust Program, report of committee, 187
URSI General Assembly, 238
U. S. Coast and Geodetic Survey, seismological program, 158

Volcanic Eruptions, Bulletin, 359
Volcanology, Symposium on Japanese, 466

Western National Meeting, First, 238
Western National Meetings of AGU, report of special committee, 92
Weston magnetic facility, 300
World-wide network of standardized seismographs, 184

GEOPHYSICAL MONOGRAPH SERIES

AMERICAN GEOPHYSICAL UNION

1515 Massachusetts Avenue, N.W. Washington 5, D. C., U.S.A.

Antarctica in the International Geophysical Year—Geophysical Monograph No. 1 (Publication No. 462, National Academy of Sciences—National Research Council); Library of Congress Catalogue Card No. 56-60071; 133 pp. and large folded map of the Antarctic, 1956, 7" x 10", $6.00. Contains 16 pages by various American authorities on the Antarctic under the headings: General, Geographic and Meteorological, Geological and Structural, Upper Atmospheric Physics, and Flora and Fauna. Map (41" x 41") compiled by the American Geographical Society. Introduction by L. M. Gould.

Geophysics and the IGY—Geophysical Monograph No. 2 (Publication No. 590, National Academy of Sciences—National Research Council); Library of Congress Catalogue Card No. 58-60035; 210 pp., 1958, 7" x 10", $8.00. Contains 30 papers by leading American authorities under the headings: Upper Atmospheric Physics, The Lower Atmosphere and the Earth, and The Polar Regions. Preface by Joseph Kaplan.

Atmospheric Chemistry of Chlorine and Sulfur Compounds—Geophysical Monograph No. 3 (Publication No. 652, National Academy of Sciences—National Research Council); Library of Congress Catalogue Card No. 59-60039; 129 pp., 1959, 7" x 10", $5.50. Based on a symposium held jointly with the Robert A. Taft Sanitary Engineering Center of the U. S. Public Health Service in Cincinnati in November, 1957. Contains 23 papers (some as summaries) with discussion. Preface by James P. Lodge, Jr.

Contemporary Geodesy—Geophysical Monograph No. 4 (Publication No. 708, National Academy of Sciences—National Research Council); Library of Congress Catalogue Card No. 59-60065; 96 pp., 7" x 10", 1959, $5.50. Based on a Conference held at Cambridge, Massachusetts, in December 1958 jointly by the AGU with the Smithsonian Astrophysical Observatory and the Harvard College Observatory. Contains 14 papers by leading authorities, with verbatim discussions on topics ranging from classical geodesy to trilateration by underwater sound to space navigation in the solar system. Edited by Charles A. Whitten and Kenneth H. Drummond.

Physics of Precipitation—Geophysical Monograph No. 5 (Publication No. 746, National Academy of Sciences—National Research Council); Library of Congress Catalogue Card No. 60-60010; 435 pp., 7" x 10", 1960, $12.50. Based on a Conference held at Woods Hole, Massachusetts, in June 1959. Contains 48 papers by leading authorities, with verbatim discussions on topics ranging from planetary-scale phenomena to microanalysis including hail formation and precipitation control. Edited by Helmut Weickmann.

Postage is to be added to prices shown unless payment accompanies order. Quantity discounts (count each Monograph separately): 5–19 copies, 10%; 20–49 copies, 15%; 50 or more copies 20%.

Purchase Order

TO AMERICAN GEOPHYSICAL UNION
1515 Massachusetts Avenue, N.W., Washington 5, D. C., U.S.A.

Please enter our order for the following:

_____ copies of Geophysical Monograph No. 1, at $6.00* $_____

_____ copies of Geophysical Monograph No. 2, at $8.00* $_____

_____ copies of Geophysical Monograph No. 3, at $5.50* $_____

_____ copies of Geophysical Monograph No. 4, at $5.50* $_____

_____ copies of Geophysical Monograph No. 5, at $12.50* $_____

☐ Payment of $_____ is enclosed.

☐ Please send invoice, adding postage charges.

☐ Enter our standing order for _____ copies of subsequent Geophysical Monographs at the special prepublication rates, e.g., prepublication rate for Monograph No. 4 for non-members was $4.00, payment in advance, or $4.75 (plus postage) on invoice.

* List price is net for quantities up to four; see above for discounts on quantity purchases. Special discounts to members.

Typed name _____ Signature _____

Address _____

_____